



Radar Detection of Submarine Periscopes

TTCP SEN TP-6: Radar Detection of Small Targets in Clutter



Program Name: Periscope Detection False Alarm Control

Objective: To improve radar performance by better understanding of sea clutter and detection algorithms.

Payoff: Participation allowed the member nations to share and jointly analyse high-resolution sea clutter and state-of-the-art periscope data. Novel coherent detection techniques were shown to improve significantly periscope detection false alarm rates. Results are applicable through software upgrades to several air and sea platforms, and have already been applied to operational systems.

Participants:



DSTO
Salisbury



DRDC
Ottawa



DSTL
SPAWAR



NRL &

Future Activities: The detection techniques will be applied to fast inshore attack craft.

<http://www.dtic.mil/>